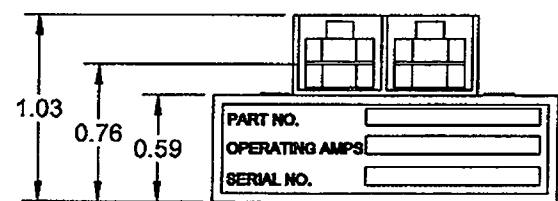
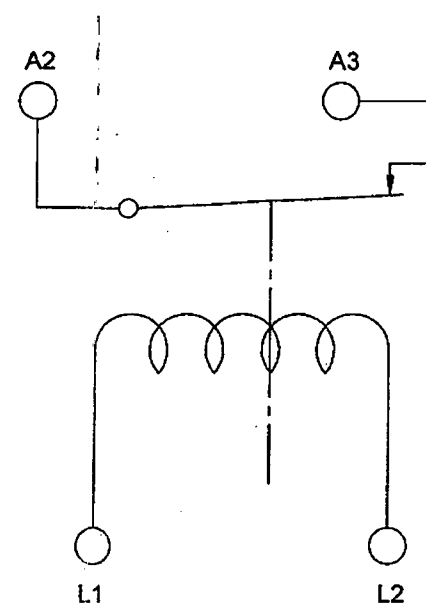
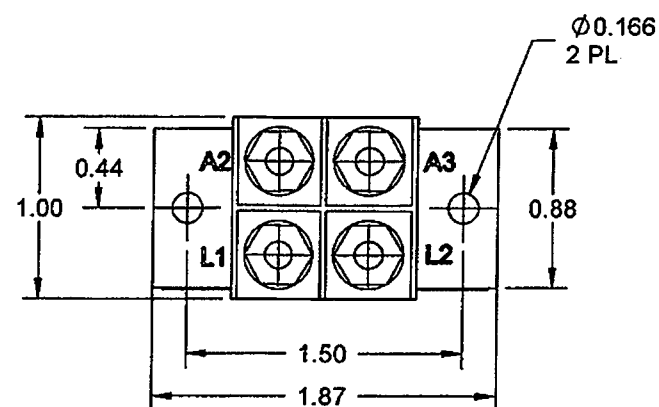
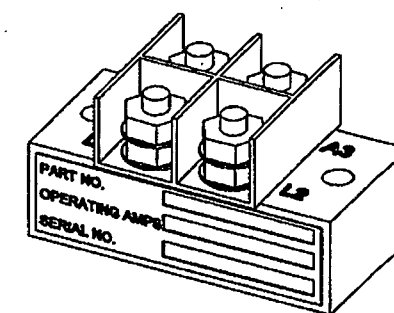


# SPECIFICATION CONTROL DRAWING

PRELIMINARY ISSUE



OPERATING CHARACTERISTICS	
PICKUP	1.5 AMP MAX.
DROPOUT	LESS THAN 1 AMP
CONTINUOUS	10 AMP MAX. 15 AMP FOR 3 SEC.
MAX. WEIGHT	1.25 OZ.
TEMPERATURE	-55 °C TO +71 °C
VIBRATION	10 Gs TO 500 HZ
ALTITUDE	50,000 FT. MAX.
CONTACT RATING	1 AMP SWITCHING 2 AMP CARRY

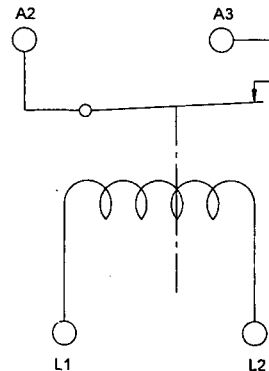
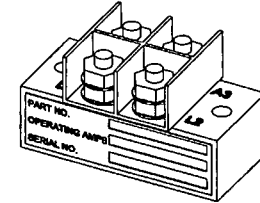
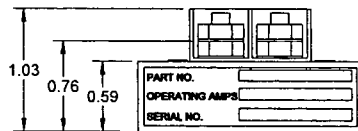
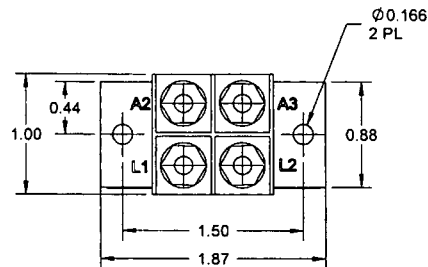
## D3896-X RELAY - CURRENT INDICATING

DART PART NUMBER	SUPPLIER	HARTMAN ELECTRICAL MANUFACTURING PART NUMBER	TYCO ELECTRICAL PART NUMBER
D3896-1	ARROW ELECTRONICS, INC.	Q-50AB-1	1616131-2
D3896-1	FLAME ENTERPRISES	Q-50AB-1	1616131-2

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: N/A
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3896-X" AND B/N USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: 0.08 lbs

A	NEW ISSUE	BY	09.02.05
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D3896	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		RELAY - CURRENT IND.	NTS
DATE	09.02.05	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

# SPECIFICATION CONTROL DRAWING



OPERATING CHARACTERISTICS	
PICKUP	1.5 AMP MAX.
DROPOUT	LESS THAN 1 AMP
CONTINUOUS	10 AMP MAX. 15 AMP FOR 3 SEC.
MAX. WEIGHT	1.25 OZ.
TEMPERATURE	-55°C TO +71°C
VIBRATION	10 Gs TO 500 HZ
ALTITUDE	50,000 FT. MAX.
CONTACT RATING	1 AMP SWITCHING 2 AMP CARRY

## D3896-X RELAY - CURRENT INDICATING

DART PART NUMBER	POSSIBLE SUPPLIER	HARTMAN ELECTRICAL MANUFACTURING PART NUMBER	TYCO ELECTRICAL PART NUMBER
D3896-1	ARROW ELECTRONICS, INC. FLAME ENTERPRISES, INC.	Q-50AB-1	1616131-2

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: N/A
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY WITH DART P/N "D3896-X" AND B/N USING FINE POINT PERMANENT INK MARKER
  - 7) WEIGHT: 0.08 lbs

48655

RELEASED  
2009-08-28

A	NEW ISSUE		09.02.05
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.02.05		

DART AEROSPACE LTD  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D3896  
REV. A  
SHEET 1 OF 1  
TITLE RELAY - CURRENT IND.  
SCALE NTS

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NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT  
WRITTEN PERMISSION FROM DART AEROSPACE LTD.



2300 Commerce Park Dr., Unit 15  
Palm Bay, FL 32905  
Ph: 1-321-473-6075  
Fx: 1-321-722-4763



Invoice Date: 6/24/2009

INVOICE #5078

**Billing Address**

Dart Aerospace  
1270 ABERDEEN ST  
HAWKSBURY, ONTARIO, K6A 1K7  
Canada

**Shipping Address**

1270 ABERDEEN ST  
HAWKSBURY, ONTARIO, K6A 1K7  
Canada

Customer PO #	PO00008997	Contact Information Linda Lacelle - Other EMAIL: llacelle@dartaero.com Tel: 613 632 9577 FAX: 613-632-1053
Terms	CREDIT CARD	Customer Instructions WBParts is authorized to charge credit card ending in #0347. 3.5% non-cash fee applies. New Surplus, WBParts C.O.C. only.
Sales Rep	Thomas Corrao	
Customer Ship ID	15179324-0	
Sales Order #	5088	X _____ (Sign Here)

Line	Mfg Part # (Manufacturer) Supplier P/N Media	Description	D/C Qty	Unit Price	Line Total
1	Q50AB1 (UNKNOWN) Q50AB1	NEW SURPLUS / SENSOR / MFG# Q50AB1 / JAA FORM 1 / 5-9 DAYS <i>S 08/02/02</i>	2	\$350.000000	\$700.00
Ship Method			Fedex Priority Overnight	Sub Total	\$700.00
Signature				Freight	\$0.00
Box #			Tracking #	Tax(0%)	\$0.00
1				COD	24.50
Description: ITN#X20090624023386				Total	\$724.50

**Explanation of COD fees shown above:**

As was indicated on your WBParts quote, certain additional fee may apply:-

- Traditional Cash On Delivery payments incur an additional \$10.00 fee
- Wire Transfer payments incur an additional \$20.00 fee
- Orders with 'non-cash' payments incur an additional 3.5% fee (money orders, debit cards, credit cards, etc).
- Cash payments, certified checks, and company checks incur NO ADDITIONAL FEES.

Due to software constraints, these additional fees are identified on this invoice as COD fees.

CUSTOMER NO. 578 - 1A - 100

DATE: 11NOV97 14:03

AI(R) AMERICAN SUPPORT, INC. ACTING ON  
BEHALF OF JETSTREAM AIRCRAFT, INC.  
13850 MCLEAREN ROAD  
HERNDON VA 20171-3211 USA

COMPANY:

300

P/L:

JS

TICKET NO: 288184

1

1

BILL TO: ATLANTIC COAST AIRLINES, INC.  
515A SHAW ROAD  
ATTN: MARIE MOSHERSTERLING VA 20166  
UNITED STATESSHIP TO: ATLANTIC COAST AIRLINES, INC  
FOR TRANSFER TO \*\*\*STATION IAD \*\*\*\*  
MOBILE PARTS TRAILER; GATE A-12DULLES VA \*  
UNITED STATES  
S/L GROUP - MONTHS

SHIP VIA	ORDER NO. (CPO)	LOCATION	A/C SER. NO.	PRIORITY	HAZARDOUS CODE (HAZ)	CORE REF NO.				
PU	3 IP81635	BAEDC J31	909	AOG						
PN (PNR)	COND.	KEYWORD	UNT	QUANTITY (SHQ)	UNIT PRICE	DISCOUNT	TAX	TOTAL		
Q50AB1	NEW	SENSOR	EA	1						
COMMENTS				FROM BIN						
				OVL PART (OPN)						
APPROVE CERTIFICATE	SERIAL/LOT NO.	BATCH NBR	QUANTITY	EXPIRATION DATE	COUNTRY OF ORIGIN	BIN LOCATION	ALTERNATIVE PART			
EUR0203044	CL-57880		1		GB	EXTRACTION				
CERTIFIED THAT THE MATERIALS AND/OR PARTS COVERED BY THIS PICK TICKET HAVE BEEN RECEIVED UNDER COVER OF THE RELEASE CERTIFICATE(S) QUOTED HEREON, ARE IN THE SAME CONDITION AS WHEN RECEIVED. TERMS AND CONDITIONS ARE SPECIFIED ON THE INVOICE.						INSPECTED BY:				
CUSTOMER AOG						PICKED BY			PACKED BY	
						WEIGHT			DIMS	
						SIGNATURE QUALITY MANAGER				

PICTIC

1. COUNTRY UNITED KINGDOM		2. JAA FORM ONE <b>CIVIL AVIATION AUTHORITY</b> <b>AUTHORISED RELEASE CERTIFICATE - AIRWORTHINESS APPROVAL TAG</b>				3. CERTIFICATE REF.No. <b>EUR0294338</b>	
4. ORGANISATION		<b>BRITISH AEROSPACE (OPERATIONS) LIMITED</b> <b>TRADING AS BRITISH AEROSPACE REGIONAL AIRCRAFT</b> ELC, Vickers Drive, Brooklands Business Park, Weybridge, Surrey KT13 OUJ Telephone: (44) (0) 1932-352611    Facsimile: (44) (0) 1932-353355    Telex: 27111				5. CUST/WORK ORDER <b>5GP 190</b> <b>30071374</b>	
6. ITEM	7. DESCRIPTION	8. PART No.	9. ELIGIBILITY (*)	10. QUANTITY	11. BATCH No./SERIAL No.	12. STATUS/WORK	
317868 1 1	SENSOR	Q50AB1 NEW  <i>Sorloz/07</i>	BAE ATP	10 EA	CM-16164 CM-16165 CM-16166 CM-16167 CM-16168 CM-16169 CM-16170 CM-16171	INSPECTED	
13. REMARKS  <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">           CM-16164 : GRN=J0010975            CM-16165 : GRN=J0010975            CM-16166 : GRN=J0010975            CM-16167 : GRN=J0010975            CM-16168 : GRN=J0010975            CM-16169 : GRN=J0010975            CM-16170 : GRN=J0010975            CM-16171 : GRN=J0010975         </div> <div style="width: 30%;">           CONTROL NBR=2450            CONTROL NBR=2450            CONTROL NBR=2450            CONTROL NBR=2450            CONTROL NBR=2450            CONTROL NBR=2450            CONTROL NBR=2450            CONTROL NBR=2450         </div> <div style="width: 35%;">           SHIP TO COUNTRY : USA         </div> </div>							
PAGE : 1 CONTINUED							
Limited life parts will normally be accompanied by maintenance history including life used.							
14. <input checked="" type="checkbox"/> Airworthiness <input type="checkbox"/> Conformity only  Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufactured/inspected in accordance with the applicable design data and with the airworthiness regulations of the stated country. (See over)							
15. SIGNATURE  <i>M. Murphy</i>			16. APPROVAL REFERENCE NUMBER  CAA.G.02022				
17. NAME  MICK MURPHY			18. DATE (d/m/y)      11FEB00				

1. COUNTRY UNITED KINGDOM	2. JAA FORM ONE	CIVIL AVIATION AUTHORITY AUTHORISED RELEASE CERTIFICATE - AIRWORTHINESS APPROVAL TAG	EUR0203044
4. ORGANISATION		BRITISH AEROSPACE (OPERATIONS) LIMITED TRADING AS BRITISH AEROSPACE REGIONAL AIRCRAFT SLC, Vickers Drive, Brooklands Business Park, Weybridge, Surrey KT13 0UJ Telephone: 01932 352611 Facsimile: 01932 353355 Telex: 27111	5. CUST/WORK ORDER 5GP 190 30037507

6. ITEM	7. DESCRIPTION	8. PART No.	9. ELIGIBILITY (*)	10. QUANTITY	11. BATCH No./SERIAL No.	12. STATUS/WORK
259715 1 1	SENSOR	Q50AB1 NEW	BAE ATP	1 EA	CL-57880.	INSPECTED
<p style="text-align: center;">S or 6 or 7</p>						

### 13. REMARKS

CL-57880. : GRN=PRSO103858

SHIP TO COUNTRY : USA

Rec'd By R. V.

Inspt'd By [Signature]

Date 11/11/97

Station DAD

PAGE : 1 \*\*\* END OF DOCUMENT \*\*\*



Limited life parts will normally be accompanied by maintenance history including life used.

14. ☒ Airworthiness ☐ Conformity only

Certifies that the part(s) identified above except as otherwise specified in block 13 was (were) manufacture d/inspected in accordance with the applicable design data and with the airworthiness regulations of the stated country. (See over)

15. SIGNATURE

T. H. Couch

16. APPROVAL REFERENCE NUMBER

DAI/1011/55

17. NAME

TERRY COUCH

18. DATE (d/m/y)

10NOV97

20. SIGNATURE

21. APPROVAL REFERENCE NUMBER

GAA 00022

22. NAME

23. DATE (d/m/y)



2300 Commerce Park Dr., Unit 15  
Palm Bay, FL 32905  
Ph: 1-321-473-6075  
Fx: 1-321-722-4763



# PACKING SLIP

Invoice Date: 6/24/2009 INVOICE #5078

Billing Address  
Dart Aerospace  
1270 ABERDEEN ST  
HAWKSBURY, ONTARIO, K6A 1K7  
Canada

Contact Information  
Linda Lacelle - Other  
EMAIL: llacelle@dartaero.com  
Tel: 613 632 9577  
FAX: 613-632-1053

Customer PO #: **PO00008997**

**Dart Aerospace**

**1270 ABERDEEN ST  
HAWKSBURY, ONTARIO, K6A  
1K7  
Canada**

Phone: 613-632-9577

Terms

CREDIT CARD

Customer Instructions  
WBParts is authorized to charge credit  
card ending in #0347. 3.5% non-cash  
fee applies.  
New Surplus, WBParts C.O.C. only.

Sales Rep

Thomas Corrao

Customer Ship ID

15179324-0

X \_\_\_\_\_  
(Sign Here)

Sales Order #

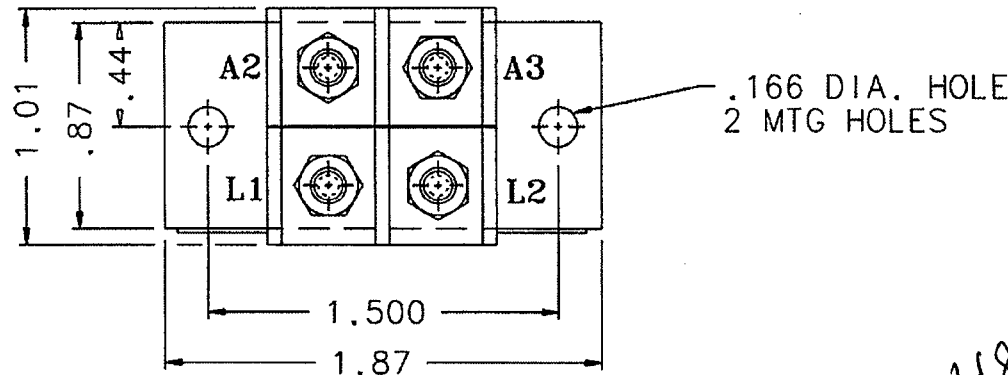
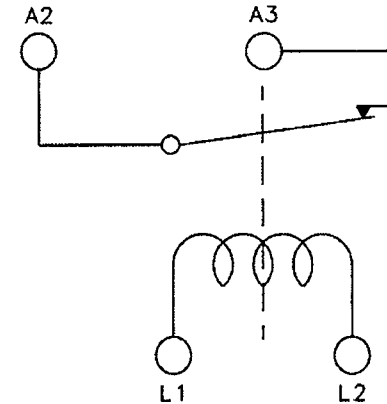
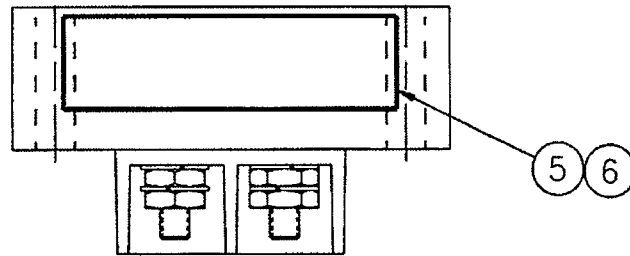
5088

Line	Part # (Mfg)	RoHS	Pb F	D/C	Qty
Description					Scheduled Ship Date
Supplier P/N					
Media					
1	Q50AB1 (UNKNOWN)	U	U		2
NEW SURPLUS / SENSOR / MFG# Q50AB1 / JAA FORM 1 / 5-9 DAYS					
Q50AB1					

powered by:  
**CORTracker.com**

FAA/PMA

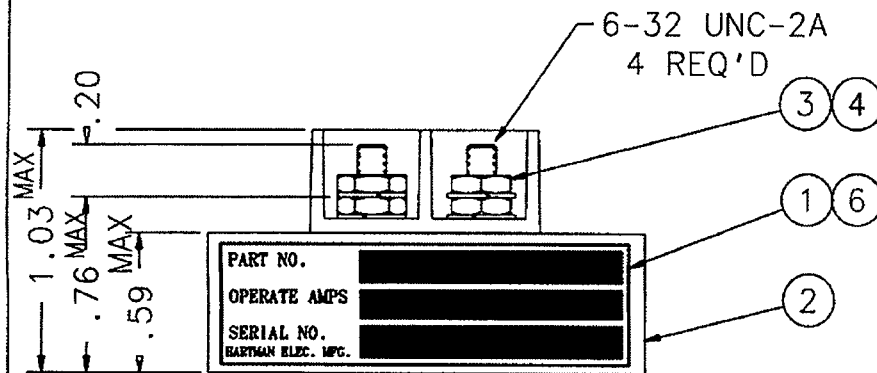
REVISIONS			RELEASED	
REV.	DESCRIPTION	DATE	APPROVED	
D 32438	REDRAWN, FIND NO 6 ADDED	97/03/25	RS	
E 40462	"MAX" ADDED TO .59	99/09/27	RS	
F 41496	"MAX" ADDED TO .76 & 1.03	00/02/01	RS	



# OPERATING CHARACTERISTICS

PICKUP	1.5 AMP MAX.
DROPOUT	LESS THAN 1 AMP
CONTINUOUS	10 AMPS MAX.
	15 AMP FOR 3 SEC
MAX. WEIGHT	1.25 OZ.
TEMP	-55°C TO +71°C
VIBRATION	10 G's TO 500HZ
ALTITUDE	50,000 FT. MAX.
CONTACT RATING	1 AMP SWITCHING
	2 AMP CARRY

48655



6	2	39529-024	OVERLAY				
5	1	58400-068	PLATE-FAA/PMA				
4	4	51806-014	WASHER - LOCK No. 6 SPLIT				BRONZE
3	4	50406-034	NUT 6-32 X 1/4 X 5/64 HEX.				BRASS
2	1	38496-020	RELAY ASSEMBLY - PRIMARY				
1	1	34246-001	PLATE - NAME				
FIND NO	QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	FSCM NO	DRAWING OR SPECIFICATION	MATERIAL OR NOTE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON			HARTMAN ELECTRICAL MANUFACTURING MANSFIELD, OHIO				
2 PL DEC. 3 PL DEC. ANGLES			RELAY - CURRENT INDICATOR				
*.06	*.010	* 1°	DR BY RLS 00/02/25 CHK BY RS 00/02/25 ENGR 208 00/03/03 MFG 10 00/03/03	093			
			RELEASE	SIZE	CODE IDENT	DWG NO.	
			CONTR NO.	C	74063	Q-50AB-1	
			GOVT APPVL	SCALE NONE		SHEET	



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Thursday, 18/06/2009 11:53:11 AM  
User: Chantal Lavoie

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: RELAY-CURRENT IND

Job Number: 48655

Part Number: D38961

Job Number:



Seq. #:

Machine Or Operation:

Description :

6.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



POSITIVE RECALL

EFFECTIVE

AUTH

RELEASED

DATE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

Date: Thursday, 18/06/2009 11:53:11 AM  
 User: Chantal Lavoie

## Process Sheet

<b>Customer</b> :	CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> :	RELAY-CURRENT IND
<b>Job Number</b> :	48655		
<b>Estimate Number</b> :	14017		
<b>P.O. Number</b> :		<b>Part Number</b> :	D38961
<b>This Issue</b> :	18/06/2009	<b>S.O. No.</b> :	
<b>Prsht Rev.</b> :	NC	<b>Drawing Number</b> :	D3896 PREL
<b>First Issue</b> :	//	<b>Project Number</b> :	N/A
<b>Previous Run</b> :	48470	<b>Drawing Revision</b> :	PREL
<b>Written By</b> :		<b>Material</b> :	
<b>Checked &amp; Approved By</b> :	<u>C209/06/18</u>	<b>Due Date</b> :	25/06/2009
<b>Comment</b> :	Est Rev:A New Issue 09-06-09 EC Verified By:DD	<b>Qty:</b>	2
		<b>Um:</b>	Each

## Additional Product

PRELIMINARY ISSUE

Job Number:



Seq. #:	Machine Or Operation:	Description :
1.0	PG	PURCHASING
 		
<b>Comment:</b> PURCHASING Issue P/O: <u>8997</u> <u>C209/06/18</u> (2) Purchase Part Number: 1616131-2 or Q-50AB-1 Supplier: ARROW ELECTRONICS, INC or FLAME ENTERPRISES Certificate of conformity is required		
2.0	1616131 2	Amp
 		
<b>Comment:</b> Qty.: 1.0000 Each(s)/Unit Total : 2.0000 Each(s) Amp		
3.0	PACKAGING 1	PACKAGING RESOURCE #1
 		
<b>Comment:</b> PACKAGING RESOURCE #1 Receive & Inspect For Transit Damage Ensure material certification is attached		
4.0	QC6	DIMENSIONAL CHECK
 		
<b>Comment:</b> DIMENSIONAL CHECK		
5.0	PACKAGING 1	PACKAGING RESOURCE #1
 		
<b>Comment:</b> PACKAGING RESOURCE #1 Identify and Stock Location: _____		

ENGINEERING APPROVAL

# Work Order ID 48655

July 6, 2009 3:02:53 PM

Page 2

Item ID: D3896-1

Accept

Revision ID: Preliminary

Item Name: Relay

Start Date: 7/07/09 Start Qty: 2.00

Required Date: 7/16/09 Req'd Qty: 2.00

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

ENGINEERING APPROVAL 09/07/09

130

Identify as per dwg & Stock Location:

0.00



Packaging

Memo

0.00

Packaging

PP4859 09/1/9 (2)

140

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

09/09/01

u 09/07/09

# Work Order ID 48655



Page 1

July 6, 2009 3:02:53 PM

Item ID: D3896-1

Accept



Setup Start



Revision ID: Preliminary

Stop



Item Name: Relay

Start Date: 7/07/09

Start Qty: 2.00



Cust Item ID:

Required Date: 7/16/09

Req'd Qty: 2.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

Date:

Tooling:

Date:

Stop



QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Draw  
Number

Draw  
Rev.

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

100

0.00



Purchasing

Memo

0.00

Issue P/O: 3997

Purchase Part Number: 1616121-2 or Q-50AB-1

Supplier: Arrow Electronics or Flame Enterprises

Certificate of conformity is required

C209107106 (2)

PRELIMINARY ISSUE

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

C2917/6 (2)